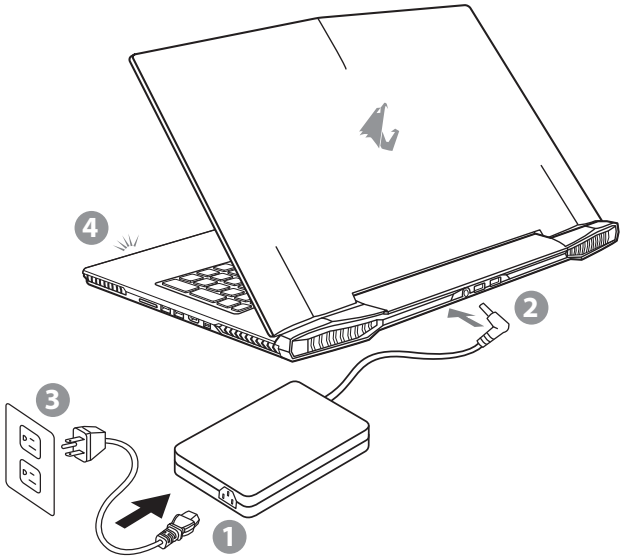
X7

v2.0

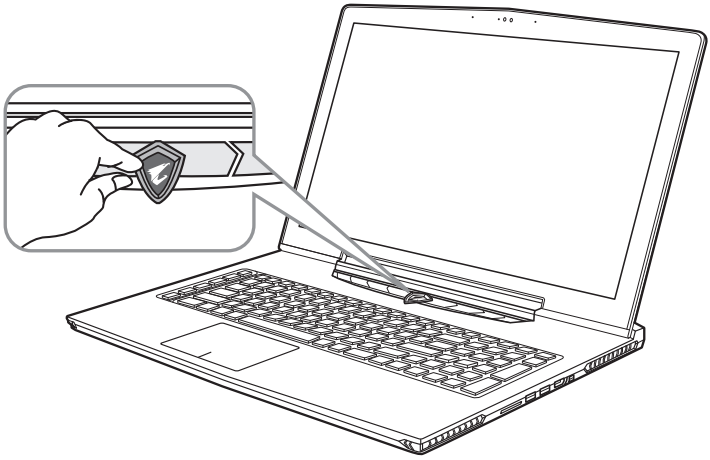
Congratulations on your purchase of the AORUS Notebook!

This Manual will help you to get started with setting up your notebook. For more detailed information, please visit our website at http://www.aorus.com. All specifications are subject to the manufacturer's configuration at the time of shipping and may change without prior notice,written or otherwise.

Using AORUS Notebook for the First Time



1. Connect the the power cord to the AC adapter.
2. Connect the AC adapter to the DC-in jack on the back side of the notebook.
3. Connect the power cord to the power outlet.
4. While the Battery Indicator lights on, press the Power Button to turn on the notebook.



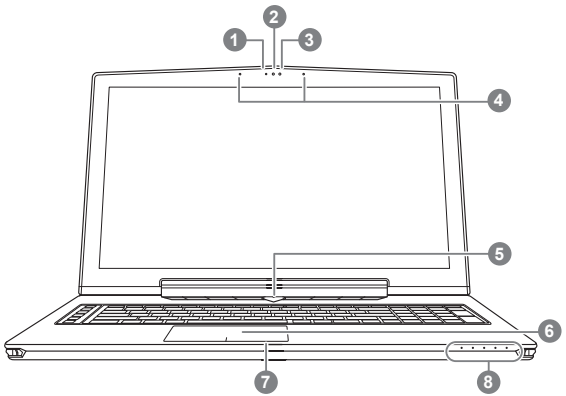
Switching on the Power

After you turn on the notebook for the very first time, do not turn it off until the operating system has been configured. Please note that the volume for the audio will not function until Windows® Setup has completed.

Booting Up the notebook for the First Time

Depending on your configuration, the Microsoft® Windows® Boot Screen may be the first screen that you will see as the notebook starts up. Follow the on screen prompts and instructions and enter your personal information to complete the setup of the Windows® Operating System.

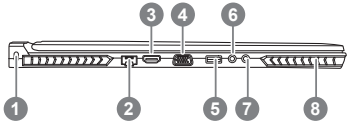
Your AORUS Notebook Tour



1	Webcam Status LED Indicator
2	Webcam
3	Light sensor
4	Microphone
5	Power Button
6	TouchPad
7	Battery Indicator Button ❶
8	LED Indicators ❷

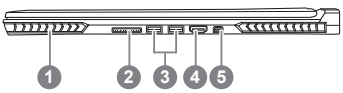
❶ Press the right button of touchpad while power off, hibernate mode to check the remaining battery power.

❷ Bluetooth Status LED Wireless Lan Status LED HDD Status LED
Battery Status LED Power Status LED

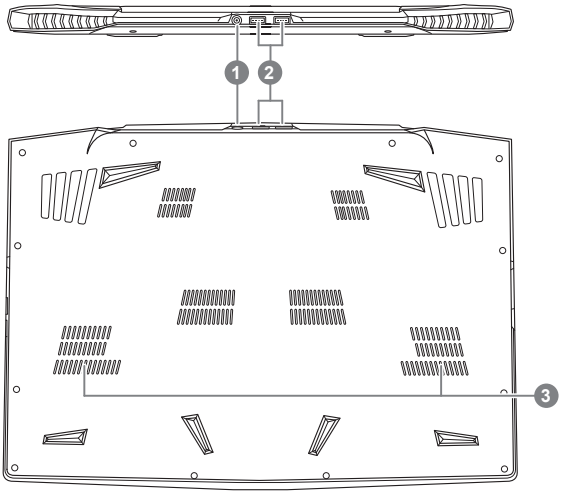


1	Kensington Lock Slot
2	Ethernet Port
3	Surround Port ❶
4	D-sub (VGA) Port
5	USB 3.0 Port
6	Headphone Jack
7	Microphone Jack
8	Speaker

❶ Enjoy triple display visual pleasure by connecting HDMI, mini-DP and Surround port with 3 monitors (same model number).
*Caution:
(1) Surround port is compatible with regular HDMI cable connecting television and PC.
(2) Connect HDMI or mini-DP port to external monitor for dual screen display. Surround port does not support dual display.
(3) Supported game title list please refer to NVIDIA official website.
(4) NVIDIA Surround Technology is only available when connected to AC adapter.



1 Speaker
2 SD Card Reader
3 USB 3.0 Port
4 HDMI Port
5 Mini Display Port



1 DC-in Jack
2 USB Port
3 Subwoofer

Hotkeys

The computer employs hotkeys or key combinations to access most of the computer's controls like screen brightness and volume output. To activate hotkeys, press and hold the <Fn> key before pressing the other key in the hotkey combination.

Hotkey	Function	Description
Fn + F1	Sleep	Put the computer in Sleep mode.
Fn + F2	Wireless LAN	Turn the Wireless LAN function ON and OFF.
Fn + F3	Brightness Down	Decrease the screen brightness.
Fn + F4	Brightness Up	Increase the screen brightness.
Fn + F5	Display Toggle	Switche display output between the display screen, external monitor (if connected) and both.
Fn + F6	Touchpad Toggle	Turn the internal touchpad ON and OFF.
Fn + F7	Speaker Toggle	Turn the speaker ON and OFF.
Fn + F8	Volume Down	Decrease the sound volume.
Fn + F9	Volume Up	Increase the sound volume.
Fn + F10	Screen Display Toggle	Turn the screen display ON and OFF.
Fn + F11	WiFi / Bluetooth Toggle	Turn the WiFi / Bluetooth function ON and OFF.
Fn + F12	Webcam	Turn the internal webcam ON and OFF.

Macro key

Macro keys can be set via Macro Engine, setting combination keys for complicated and/or general operation.

Macro key	Macro key	Description
G	G	Macro group switch, press around 3 secconds as hardware switch on/off.
G1	G1	User self-definition Macro key
G2	G2	User self-definition Macro key
G3	G3	User self-definition Macro key
G4	G4	User self-definition Macro key
G5	G5	User self-definition Macro key

X7 Operation manual

X7 equipped with many unique features, providing user an exceptional gaming experiences.

Surround Port

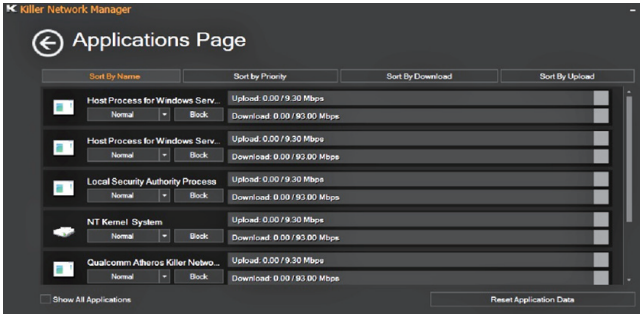
Surround port is located on the left side of X7. User may connect X7 up to three external monitors with HDMI, mini Display and Surround port, presenting true visual surround effect and enjoy outstanding gaming experience. Surround port is compatible with television , PC's standard HDMI cable; however, only HDMI port and mini-DP support dual screen display. Please refer to NVIDIA official website for Surround's games supporting.

Macro key

X7 features five macro keys and macro group switch, providing users to set their own preference of combinations, capable for switching in between maximum up to 25 sets of macros simultaneously. By using Marco Engine, users can easily access to their own defined recorded macro, and also adjust the macro sets, so the players are always steps ahead in games. For further detail instructions please refer Macro key setting manual.

Killer LAN

Killer LAN can automatically adjust the priority of network transmission, allowing the user to have the best gaming network speed, by effectively reducing ping values and gain sequence control over different softwares that require network packet. User may set the software manually by Killer LAN's specific program with the highest priority network packets; Moreover, user may also configure the network for the download priority for online videos and games packets to achieve the best network optimization.



Hardware Upgrade

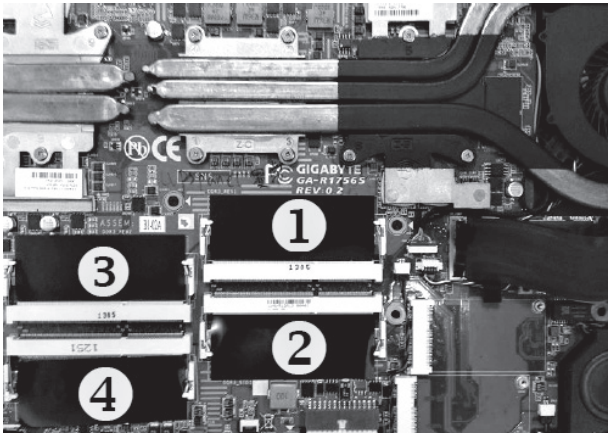
X7 supports up to three mSATA SSD and one 2.5 inch hard drive, and four SO-DIMM memory slot. User may upgrade memory or carry X7 to nearest repair center to upgrade; Please visit AORUS official website for compatible memory brands.

⚠ Caution

Please ensure X7 is not powered on and unplugged to power source before the upgrade. Any damage during user's upgrade will not be covered by warranty, and user shall be responsible for related repair cost; hence recommend to carry your laptop to nearest service center for the upgrade.

Memory

In order to maintain optimum compatibility and performance, please choose the slot that fits the condition below when upgrading memory to be installed to avoid compatibility problems or poor performance; For the supported memory module manufacturers, please visit AORUS official website FAQ for the reference.



8GB single: installed on the 1st memory slot.
4GB/8GB two: Install on the 1st and the 3rd memory slot.
4GB/8GB three: installed on the 1st, the 2nd and the 3rd memory slot.
4GB/8GB four: mounted on four memory slots.

Battery Protection

When battery is in use for a period of time (not connected to power source and in high performance mode), Mass power discharging on battery in a short period of time may cause battery to run at high temperature and may shorten its lifespan. in order to protect the battery's lifespan, the battery will not be chargeable when its temperature is higher than 45 ° C. The mechanism for this is to protect the battery life. However, after user connects to power adapter, battery stops discharging and temperatures below is 45 ° C, the battery will start charging back to the source and to maintain normal operation.Command & Control is a software that integrates a list of basic settings to a single interface, providing user a faster and better experience when customization is needed.

X7 Command & Control

Command & Control is a software that integrates a list of basic settings to a single interface, providing user a faster and better experience when customization is needed.

Hotkey	Function	Description
	GPU SLI Switch	Enable or disable GPU SLI, when slave GPU turns off, it may increase battery life.
	Fan Controller	Adjusts fan speed according to user's preference.
	Auto	The system will detect level of work load and adjust the fan speed accordingly Auto mode provides a perfect balance between performance, heat dissipation and noise level. (System performance is not at its maximum during Auto mode)
	Stealth	When high performance is not needed, Stealth setting will limit fan speed to avoid uncomfortable fan noise. * Note: This feature may cause limitation to system performance. Recommend to use such mode during web browsing and scenarios where high performance is not needed.
	Turbo (Performance Mode)	The fan operates at full speed for maximum heat dissipation, enhancing system performance to maximum.
	Windows Key Lock	Lock or unlock Windows key
	Mouse Speed Setting	Adjust the mouse pointer speed according to user.
	Volume Setting	Adjust volume.

	Brightness Setting	Adjust Screen brightness.
	Wi-Fi Switch	Turn ON or OFF Wi-Fi connection.
	Bluetooth Switch	Turn On or Off Bluetooth connection.
	Power Plan Setting	Adjust the power plan by user usage in order to obtain maximum battery life or performance.
	External Monitor Setting	Switch between the computer screen and the external display video output, or simultaneous display.
	Font Size Setting	Adjust font size.
	Backlit Keyboard Switch	Turn On or Off keyboard backlit.
	Trackpad Switch	Turn On or Off touch pad.
	USB Port Charge	Set USB charging during the sleep mode or hybirnation mode.
	Calculator	Open the calculator in Windows.

Macro Engine Instruction

Welcome to use Macro Engine! Macro Engine makes it much easier for you to control your Macro Key on AORUS X7, or other AORUS peripheral such as K7/M7. You can deal with complex key stroke combination by just one press on macro key, which brings you benefit both in work and game. Before using Macro Engine, please read following guide, thanks.

1 Launch Macro Engine

You can find the shortcut of Macro Engine on desktop. Just double click it.

2 The overview of Macro Engine

1 Macro Key indicator: Indicate which Macro Group you are using now(the light of activated macro group will up)

2 Macro Key function: it shows the function you're using in this Macro Key group. There're total 5 functions, from G1 to G5.

3 Using Macro Engine

1 Set Macro Key to basic function

a. Click the G button on the left-top of the keyboard to switch to the Macro Key group you would like to use.

b. Click the Macro Key function brick.

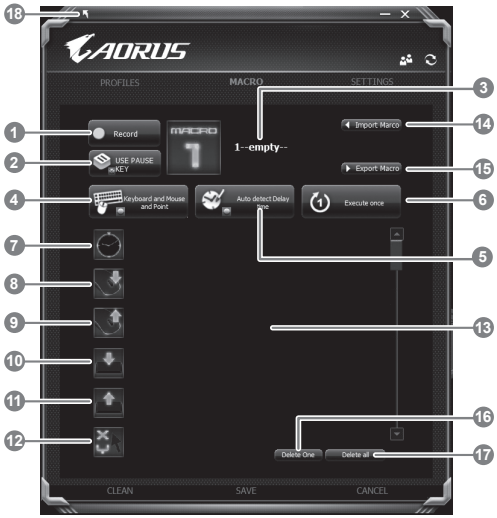
c. Double-click the function you would like to us(ex. open browser) in the basic function area. The Macro Engine will ask if you would like to save the configuration. Please press “Yes” to complete the setting.

2 Set Macro Key to custom macro

a. Click the G button on the left-top of the keyboard to switch to the Macro Key group you would like to use

b. Click the Macro Key custom macro brick

c. Click edit macro (you can set at most 100 set of macro)



d. The overview of macro record panel (you can record your own macro here)

1. Start recording: Click when you're about to record the macro
2. Disable Pause Stop recording: Enable/Disable Pause Stop recording
3. Macro Name: Set the name of this macro
4. Record type: You can choose to record only mouse(or keyboard) movement, or record both. You can also decide to or not to record mouse position.
5. Record interval: You can decide to or not to record the interval of each movement(or You can set fixed interval time between every movement)
6. Execution way: You can set the macro execution way (execution once, repeat execution or repeat execution with deep press)
7. Time Delay: drag the icon into move list if you want to record the macro with fixed time delay
8. Mouse button down: drag the icon into move list if you want to record the constant move of pressing mouse key.
9. Mouse button up: drag the icon into move list if you want to record the constant move of releasing mouse key

10. Key down: drag the icon into move list if you want to record the constant move of pressing certain key
11. Key up: drag the icon into move list if you want to record the constant move of releasing certain key
12. Location command: drag this icon into move list if you want to record certain mouse location.
13. Move List: list down all the action you recorded
14. Import icon: Set icon for this macro. You can use default icon or upload your own icon
15. Export macro: Export your macro
16. Delete selected: Delete selected movement
17. Delete all: Delete all movement in this macro
18. Exit and save: once you finish the macro recording, click this button and save the macro

e. Start to record macro: When you click start button, the macro engine will start to record macro. All movement you made(mouse/keyboard) will be shown in the movement list. You can decide to use “pause” key or mouse click on stop button to stop recording based on your record range

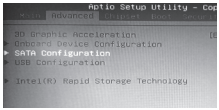
f. Finishing recording: When you have done all movement, click exit button. The Macro Engine will inquire you if to save the macro. Click Yes then you can finish the record of your own macro

Setup Your System for RAID 0/1

⚠ WARNING

- Please backup your data before you build and run RAID 0/1 on your system.
- RAID 1 needs two storage drives of the same specification and capacity in your laptop.
- RAID 0 needs two storage drives of the same specification in your laptop. Different capacity is acceptable.

1



- Press F2 when computer starts to Enter BIOS setup utility.
- Go to Advanced > SATA configuration.

2

- Change "SATA Mode selection" from "AHCI" to "RAID".
- Press F10 to save and exit. The system will restart automatically.

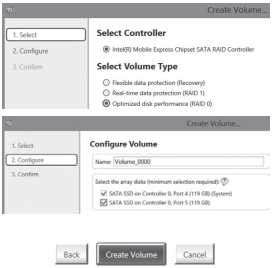
3

- Once the system restarts. Go to "All Apps" found at the bottom of the screen on Windows 8 and execute Intel Rapid Storage program.

4

- You will see the Intel Rapid Storage Technology Screen, Click> Create.

5



- Under Select Volume Type choose Optimized disc performance (RAID 0/1), Click > NEXT.
- Under Configure Volume you may set Name to your preferred name and select both controllers.
- Click > Next. You will see Confirm Volume Creation. Click > Create volume.
- Wait until the system migration is complete and restart the laptop.

System Backup Guide

⚠ WARNING

- You can backup original recovery image through this application in case of losing by device damage.
- You can backup original recovery image to USB disk and restore the system if any storage system replacement with the recovery USB disk.
- Before you restore the system through the recovery USB disk, please make sure that you have already made the backup of your data.
- Please DO NOT shut down or un-plug the system when performing backup through recovery USB disk.

1

- Please plug in the USB disk which is at least 20GB in capacity to make the original image (backup the data in USB first. All data will be eliminated during the creation of recovery USB disk)

2

- Insert the driver disk to your optical drive and run the install of “System Backup” (for none-ODD model, please use USB ODD device or download from http://www.AORUS.com

3

- Run the “System Backup” after finishing the install.

4

System Backup
please back up your personal files first.
and prepare one USB storage device which capacity more than 20GB.

- Select your USB disk from the drop-down list and start to create the recovery USB disk.

5

- The window will pop out when the creation of recovery disk is done.
- Please press F12 on starting the system when you need to restore the system. Select “boot from recovery USB disk” and the system will be restored.
- The time needed for restore will be around 30 mins(time needed may vary by USB disk model) .

Recovery Guide

System Recovery (Restore your laptop operating system)

When something is going wrong with the laptop operating system, the storage of the laptop has a hidden partition containing a full back up image of the operating system that can be used to restore the system to factory default settings.

Note

- If the storage has been switched or the partition deleted, the recovery option will no longer be available and a recovery service will be needed.
- The recovery function is only available on devices with O/S preinstalled. Devices with DOS do not have the recovery function.

Launch System Recovery

The system recovery feature is preinstalled before the laptop is shipped from the factory. The option menu allows you to launch the Windows recovery tool to reinstall the operating system to factory default.
The brief introduction below will show you how to start the recovery tool and restore your system.

All ready to go

Make sure your PC is plugged in. This will take a few minutes.

Windows 7 Recovery Guide

1 Turn off and restart the laptop.

2

During the laptop turn on process, press and hold F9 key to launch the tool.

3

The recovery will be activated and you will see the option buttons on the window. Click on “Recovery” to start it.

Caution

Once the “Recovery” is selected, your personal data and files will be deleted after the laptop starts restoring, and the operating system will be reset to factory default settings.

4

A progress indicator bar will show on the window when the recovery process is running. Please make sure the AC-adapter is plugged in and do not turn off the laptop.

5

Reboot the laptop after the system recovery is complete.

Windows 8.1 Recovery Guide

1

Turn off and restart the laptop.

2

During the laptop turn on process, press and hold F9 key to launch the tool.

3

Choose “Troubleshoot” to enter the recovery settings. (Also you can choose “Continue” to exit recovery system and continue to Windows 8.1 for files or data backup.)

There are two options for system recovery

- **Refresh your PC**
  You can refresh your laptop to improve the system stability without losing your files.
- **Reset your PC**
  If you want to remove all of your files, you can reset your PC completely.
  Caution: All personal data and files will be lost.

4

■ **Choose “Refresh your PC”**
Choose an account to continue.

Here are what will happen

- Your files and personalization settings won’t be changed.
- Your PC settings will be restored to factory default settings.
- Apps from Windows Store will be kept.
- Apps you installed from discs or websites will be removed.
- A list of removed apps will be saved on your desktop.

■ **Choose “Reset your PC”**

▶**Just remove my files**
Only personal data and files will be removed, but computer settings will be kept.

▶**Fully clean the drive**
The drive will be completely restored to factory default settings. It takes more time. > [Click on “Reset” to execute recovery function.]

Here are what will happen

- All of your personal files and apps will be removed.
- Your PC settings will be restored to factory default settings.

■ **Advanced options**

System Restore
Use a restore point recorded on your PC to restore Windows.

System Image Recovery
Recover Windows using a specific system image file.

Automatic Repair
Fix problems that keep Windows from loading.

Command Prompt
Use the Command Prompt for advanced trobleshooting.

UEFI Firmware Settings
Change settings in your PC's UEFI firmware.

Startup Settings
Change Windows Startup behavior.

Appendix

■ **Warranty & Service:**

Warranty and service and related information please refer to the warranty card or service website as the below link: http://www.aorus.com/

■ **FAQ:**

FAQ (Frequent Asked Questions) please refer to the below link:
http://www.aorus.com/